(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

24 JUN 2005

(43) International Publication Date
15 July 2004 (15.07.2004)

PCT

(10) International Publication Number
WO 2004/059984 A1

(51) International Patent Classification[7]: H04N 7/50

(21) International Application Number:
PCT/IB2003/006141

(22) International Filing Date:
17 December 2003 (17.12.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
02406150.9 30 December 2002 (30.12.2002) EP

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(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States *(regional)*: ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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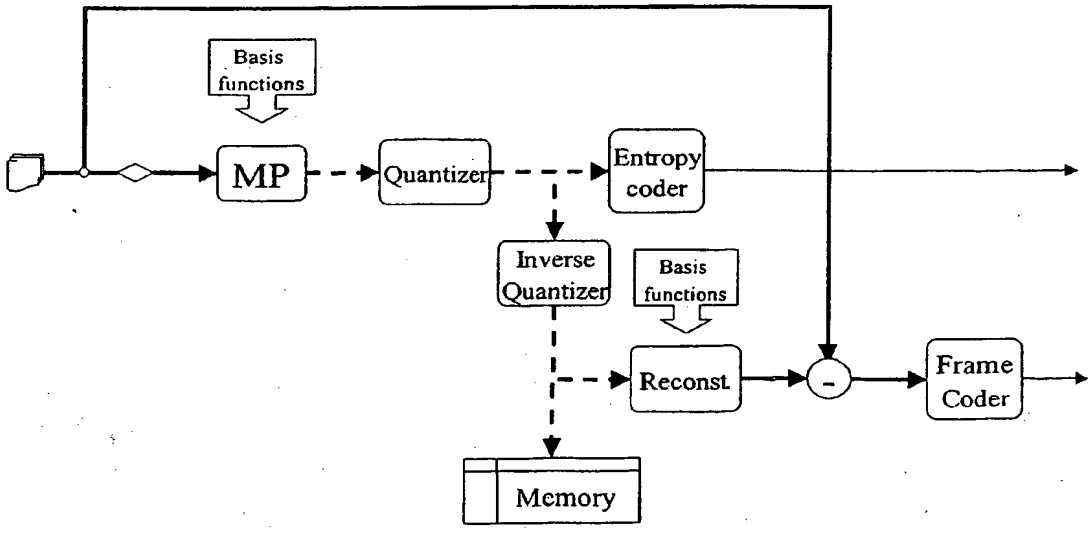
(54) Title: VIDEO CODING METHOD OF EXPLOITING THE TEMPORAL REDUNDANCY BETWEEN SUCCESSIVE FRAMES



(57) Abstract: The invention relates to a video coding method of exploiting the temporal redundancy between successive frames in a video sequence. A reference frame, called I-frame, is first approximated by a collection of geometric features, called atoms. The following predicted frames called, P-frames, are approximated by the geometric transformations of the geometric features (atoms) describing the previous frame. Preferably, the I-frame is approximated by a linear combination of N atoms (formula), selected in a redundant, structured library. They are indexed by a string of parameters representing the geometric transformations applied to the generating mother function g(x,y) and the cn are weighting coefficients.

WO 2004/059984 A1